StreamLAB® Analytical Workcell System Specifications

Effective: December 2008

Shown with four (4) Dimension® RxL Max® instruments

For further details, see D-01431 Dimension® RxL Max® STM/RMS Instrument Specifications. For configurations, contact your Siemens Healthcare Diagnostics Inc. sales representative.

System Weight and Dimensions

Weight

Input/Output Module
720 lb (327 kg)

Main Track
340 lb (154 kg)

Track Extension
120 lb (54 kg)

Track Spacer
10 lb (5 kg)

Track Turn
227 lb (103 kg)

Tube Sealer Module
200 lb (91 kg)

Optional Centrifuge with Robot
430 lb (195 kg)

Optional Centrifuge UPS
79 lb (36 kg)

Optional Jun-Air Compressor
256 lb (116 kg)

Dimensions

Input/Output Module
70 in. wide x 60 in. high x 35 in. deep
(178 cm w x 152 cm h x 89 cm d)

Main Track
122 in. wide x 40 in. high x 17 in.deep
(310 cm w x 102 cm h x 43 cm d)

Track Extension
67 in. wide x 40 in. high x 17 in. deep
(170 cm w x 102 cm h x 43 cm d)

Track Spacer
18 in. wide x 40 in. high x 17 in. deep
(46 cm w x 102 cm h x 43 cm d)

Track Turn
30.5 in. wide x 40 in. high x 17 in. deep
(77.5 cm w x 102 cm h x 43 cm d)

Tube Sealer Module
33.5 in. wide x 40 in. high x 17 in. deep
(85 cm w x 102 cm h x 43 cm d)

Optional Centrifuge with Robot
23 in. wide x 31 in. high x 29 in. deep
(59 cm w x 79 cm h x 74 cm d)

Optional Centrifuge UPS
17 in. wide x 3.5 in. high x 26 in. deep
(44 cm w x 9 cm h x 66 cm d)

Optional Jun-Air Compressor
26 in. wide x 34 in. high x 26 in. deep
(66 cm w x 86 cm h x 66 cm d)

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Electrical Installation Requirements

Current/Operating Power Requirements

	Nominal Line Voltage vac	Line Voltage vac	Nominal Line Frequency Hz	Maximum Continuous Current, AMPS	Power Consumption WATTS
Dimension® RxL Max® system w/HM/RMS/STM	115	103 to 127	47 to 63	~17	1955
	230	207 to 253	47 to 63	~11	2530
Input/Output Module	230	230	47 to 63	~5	1150
Centrifuge[1]	230	230	47 to 63	~9	2070
Jun-Air Compressor[2]	230	230	47 to 63	~8	1840
	115	115	47 to 63	~17	1955

1 Refer to Hettich Centrifuge Operator's Guide for additional specifications.
2 Refer to Jun-Air Operator's Guide for additional specifications.

StreamLAB® Analytical Workcell Clearances (Minimum)

- Overhead: 25 in. (64 cm)
- Doorway opening for installation—35 in. (89 cm)

A 360° access is needed for service with a minimum 30-inch (76 cm) clearance around the workcell.

Recommended Service Outlet

- Input/Output Module
  North America: 220 vac, 60Hz, Single Phase, 15A
  EU : 230 vac, 50Hz, Single Phase, 16A
- Optional Centrifuge
  North America: 220 vac, 60Hz, Single Phase, 15A
  EU : 230 vac, 50Hz, Single Phase, 16A
- Optional Jun-Air Compressor
  North America: 220 vac, 60Hz, Single Phase, 15A
  EU : 230 vac, 50Hz, Single Phase, 8A

Transient Overvoltage

Installation Category II (branch circuit)

Circuit and Ground

The Input/Output Module should have a dedicated line with hot, neutral, and isolated ground in its own conduit. Connect the conduit from the distribution panel to the receptacle. Three-wire distribution to the receptacle is required for each instrument. Connect the third (green) ground wire from the distribution panel to the receptacle in accordance with NEC paragraph 250-74, exception 4, unless local codes prohibit. The ground wire should not be tied to grounds from other loads.

Wire Size (North America only)

Dimension® RxL Max® system: 10 AWG minimum

Shield

Not required.

Receptacle

Input/Output Module: The receptacle must be accessible to the 9-ft (2.7m) power cords furnished with the module.

Leakage Current

Leakage current is less than or equal to 500 mA. This is measured according to procedure EN61010-1.

Room Environment

Operating Temperature

Room temperature must be 65–85°F (17–30°C) with a maximum fluctuation of 5°F (2.8°C) per hour.

Relative Humidity

Maintain between 20% and 80%

Average Thermal Output

3923 BTU/hr Input/Output Module

6670 BTU/hr Dimension® RxL Max® system with HM/RMS/STM

7063 BTU/hr Optional Centrifuge

6278 BTU/hr Optional Jun-Air Compressor

Average Noise Output

Input/Output Module: <70 dBA at 1 m while operating

Optional Jun-air Compressor: <53 dBA at 1 m while operating

Optional Hettich Centrifuge: <62 dBA at 1m while operating

Compressed Air

The StreamLAB® Analytical Workcell requires an external source of compressed air supplied at 65 NL/min @ 7 bar (2.3 scfm @ 100 psi.). Connect the air supply system to the air inlet fitting of the I/O Module. A shutoff valve and pressure gauge should be accessible near the workcell.

Compressed air requirement with tube sealer is 105 NL/min @ 7 bar (3.7 scfm @ 100 psi.)

External Uninterruptible Power Source (UPS)

The Input/Output Module UPS and Centrifuge Module UPS must be installed in the same room as their modules.

Host Interfacing

A 25-pin female connector is required for hookup to the male connector used for host communications port.

Installation

The StreamLAB® Analytical Workcell will be installed by a qualified representative of Siemens. The installation will include checkout of all aspects necessary to ensure the equipment is fully operational.

Preventive Maintenance Frequency

Four Siemens service preventive maintenance visits per year for the StreamLAB® Analytical Workcell. Multiple pieces of equipment can be maintained during a single visit.

Code Compliance

Emission Compliance

The StreamLAB® Analytical Workcell should not be used next to any Industrial Scientific and Medical (ISM) equipment that must functionally produce RF energy (e.g., diathermy equipment).

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Barcode Scanner

The StreamLAB® Analytical Workcell barcode reader is a Class II laser and is a possible eye hazard.

Validated Connectivity Equipment

- Dimension® RxL Max® w/HM/RMS/STM system
- Dimension Vista® System
- Sysmex® CA-7000 System (May 2006)
- Immulite® 2000 w/SMS
- Immulite® 2500 w/SMS
- ADVIA Centaur® System (outside U.S. only; September 2006)
- Abbott Architect® Analyzer (outside U.S. only; June 2007)

Validated Tube Types

Manufacturer	Tube Type	Size of Tube	Tube Material
Becton-Dickinson	Hemogard Closures	13 x 75 mm 13 x 100 mm 16 x 100 mm	Glass or Plastic Glass or Plastic Glass or Plastic
Beckton-Dickinson	Rubber Stopper	16 x 100 mm	Glass or Plastic
Sarstedt	S-Monovette®	13 x 90 mm 15.3 x 75 mm 15.3 x 92 mm 13 x 65 mm (capped)*	
Greiner	Vacuette®	13 x 75 mm 13 x 100 mm	
Terumo	Venosafe®	13 x 75 mm 13 x 100 mm 16 x 100 mm	
Any Manufacturer	Uncapped round bottom tube for pour-offs	13 x 75 mm 13 x 100 mm	

* For use with Sysmex® CA-7000 Analyzer only.

For additional information or to reach a Siemens representative, please call 1-800-393-9362.

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Siemens Healthcare Diagnostics Inc.
Newark, DE 19714 USA
www.siemens.com/diagnostics

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